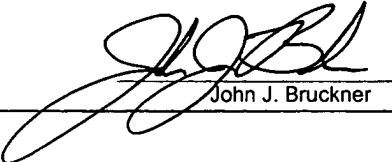




CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date below:

July 3, 2001
Date


John J. Bruckner

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jeremy Sommer, Kishan Shenoi, Kamila Kraba, Sandro Squadrito and Gary Bogardus

Serial No.: 09/843,161

Filed: April 25, 2001

For: LONG SUBSCRIBER LOOPS USING
AUTOMATIC GAIN CONTROL

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: SYMM:031US/JJB

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

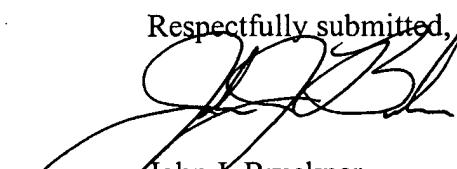
In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10100391/JJB.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



John J. Bruckner
Reg. No. 35,816
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.
600 Congress Avenue, Suite 2400
Austin, Texas 78701
(512) 474-5201

Date: July 3, 2001



TELEPHONE: 512/474-5201
FAXSIMILE: 512/536-4598

JOHN J. BRUCKNER

INTERNET ADDRESS:
JBRUCKNER@FULBRIGHT.COM

DIRECT DIAL: 512/536-3088

FULBRIGHT & JAWORSKI L.L.P.

A REGISTERED LIMITED LIABILITY PARTNERSHIP
600 CONGRESS AVENUE, SUITE 2400
AUSTIN, TEXAS 78701

T 0360
H3
HOUSTON
WASHINGTON, D.C.
AUSTIN
SAN ANTONIO
DALLAS
NEW YORK
LOS ANGELES
MINNEAPOLIS
LONDON
HONG KONG

CERTIFICATE OF MAILING 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date below:

July 3, 2001

Date

John J. Bruckner

July 3, 2001

FILE: SYMM:031US

Commissioner for Patents
Washington, DC 20231

RE: *SN 09/843,161 "LONG SUBSCRIBER LOOPS USING AUTOMATIC GAIN CONTROL" - Jeremy Sommer, Kishan Shenoi, Kamila Kraba, Sandro Squadrito and Gary Bogardus*

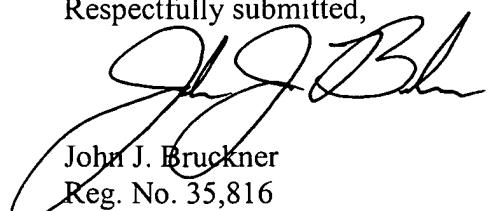
Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references (A1-A7, B1-B2 and C1-C27).

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10100391/JJB.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,


John J. Bruckner
Reg. No. 35,816

JJB/cas
Encl: as noted

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

SYMM:031US/JJB

09/843,161

Applicant

Jeremy Sommer, Kishan Shenoi, Kamila Kraba, Sandro Squadrito and Gary Bogardus

Filing Date:

April 25, 2001

Group:

Unknown

List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,131,766	Dec. 26, 1978	Narasimha	179	15 FD	Jul. 1, 1977
	A2	4,237,551	Dec. 2, 1980	Narasimha	370	50	Dec. 22, 1978
	A3	5,883,941	Mar. 16, 1999	Akers	379	93.08	Nov. 8, 1996
	A4	5,956,323	Sep. 21, 1999	Bowie	370	241	Jul. 30, 1997
	A5	6,118,766	Sep. 12, 2000	Akers	370	249	Aug. 21, 1996
	A6	6,130,882	Oct. 10, 2000	Levin	370	252	Sep. 25, 1997
	A7	6,141,330	Oct. 31, 2000	Akers	370	264	Sep. 20, 1996

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	2 337 380 A	Nov. 17, 1999	UK			
	B2	0065094	Aug. 5, 1999	Korea			(abstract)

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Wang et al., "Automatic gain control VLSI architecture for ADSL-1 cap system," <i>Journal of the Chinese Institute of Electrical Engineering.</i> , pp 261-268, 1995.
	C2	"HomePortal" 1000: Bringing the power of DSL Home," <i>2Wire, Inc.</i> brochure, 1999.
	C3	"Analog front end for ADSL extends linearity and local-loop length," Article from the <i>END magazine</i> web site at: www.ednmag.com , January 21, 1999.
	C4	"DSL is coming! DSL is coming!," Article from the <i>Teleconnect</i> web site at: www.teleconnect.com , Sept. 5, 2000.
	C5	"Communications companies stay ahead of the curve," Article from the <i>NetWorkFusion</i> web site at: www.nwfusion.com , Dec. 18, 2000.

25046653.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. SYMM:031US/JJB	Serial No. 09/843,161
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT <small>(Use several sheets if necessary)</small>		Applicant Jeremy Sommer, Kishan Shenoi, Kamila Kraba, Sandro Squadrito and Gary Bogardus	
		Filing Date: April 25, 2001	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>		Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C6	"Microfilter design promises peaceful coexistence between ADSL and the voiceband. (Technology Information)," <i>EDN magazine</i> article as it appears on the FindArticles web site at: www.findarticles.com , Dec. 9, 1999.
	C7	"GDSL: GTE selects GoDigital's GDSL-8 access system: GDSL-8 system quickly meets the demand for GTE's added line growth," <i>EDGE</i> article as it appears on the FindArticles web site at: www.findarticles.com , Sept.28, 1999.
	C8	"GoDigital Networks Increases reliability of DSL services and extends reach to 25 miles from central office," <i>PR Newswire</i> article as it appears on the FindArticles web site at: www.findarticles.com , Oct. 13, 1999.
	C9	"GDSL-8: GoDigital Telecommunications, Inc. introduces four line drop flexibility with its GDSL-8 digital replacement system for analog carrier, meeting increased local loop line demand and internet access speeds. (Product Announcement)," <i>EDGE</i> article as it appears on the FindArticles web site at: www.findarticles.com , Feb. 8, 1999.
	C10	"GoDigital Telecommunications, Inc. introduces long loop high speed internet access support with its GDSL BRI-3 product line," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , March 22, 1999.
	C11	"Microfilter design promises peaceful coexistence between ADSL and the voiceband. (Technology Information)," <i>EDN</i> article as it appears on the FindArticles web site at: www.findarticles.com , December 9, 1999.
	C12	"GoDigital networks adds extended range drops to serve hard-to-reach subscribers," <i>PR Newswire</i> article as it appears on the FindArticles web site at: www.findarticles.com , January 18, 2000.
	C13	"The next big home networking thing, (Technology Information)," <i>Home Office Computing</i> article as it appears on the FindArticles web site at: www.findarticles.com , March 2000.
	C14	"Intranets and I-commerce-hotlinks (news briefs)," <i>InfoWorld</i> article as it appears on the FindArticles web site at: www.findarticles.com , March 6, 2000.
	C15	"The fastest towns in America (Technology Information)," <i>Home Office Computing</i> article as it appears on the FindArticles web site at: www.findarticles.com , April 2000.
	C16	"2Wire Inc. (2W HomePortal)," <i>America's Network</i> article as it appears on the FindArticles web site at: www.findarticles.com , June 1, 2000.

25046653.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

SYMM:031US/JJB

09/843,161

Applicant

Jeremy Sommer, Kishan Shenoi, Kamila Kraba, Sandro Squadrito and Gary Bogardus

Filing Date:

April 25, 2001

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C17	"Symmetricom's new GoLong solution doubles current reach of ADSL, enabling ADSL everywhere," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , June 7, 2000.
	C18	"TriMedia boxes ready soon," <i>Electronics Times</i> article as it appears on the FindArticles web site at: www.findarticles.com , September 18, 2000.
	C19	"General bandwidth and 2Wire partner to deliver VoDSL solution for the residential market," <i>Cambridge Telecom Report</i> article as it appears on the FindArticles web site at: www.findarticles.com , June 5, 2000.
	C20	"Office Depot and 2Wire announce strategic retail partnership for leading residential Gateway products," <i>EDGE: Work-Group Computing Report</i> article as it appears on the FindArticles web site at: www.findarticles.com , June 5, 2000.
	C21	"GoDigital Networks first to introduce line-powered solution for delivering both voice and DSL to any location," <i>PR Newswire</i> article as it appears on the FindArticles web site at: www.findarticles.com , June 6, 2000.
	C22	"The 39 (Network) Steps. (News Briefs)," <i>Home Office Computing</i> article as it appears on the FindArticles web site at: www.findarticles.com , August 2000.
	C23	"2Wire delivers HomePortal residential Gateway to consumers for ultra-fast internet access and easy home networking," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , October 10, 2000.
	C24	"Independent laboratory testing confirms that Symmetricom's GoLong doubles the reach of ADSL services," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , November 7, 2000.
	C25	"Chester Telephone doubles the serving distance of its DSL services using Symmetricom's GoLong loop extender; field trials to begin in Chester, S.C. mid-December 2000," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , December 4, 2000.
	C26	"Symmetricom's Go-Long loop extender doubles the serving distance of Chester Telephone's DSL services; field trials to begin in Chester, S.C. mid-December 2000," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , December 4, 2000.

25046653.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

SYMM:031US/JJB

09/843,161

Applicant

Jeremy Sommer, Kishan Shenoi, Kamila Kraba, Sandro Squadrito and Gary Bogardus

Filing Date:

April 25, 2001

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C27	"Symmetricom replaces headline in Chester Telephone release; Symmetricom's Go-Long loop extender doubles the serving distance of Chester Telephone's DSL services," <i>Business Wire</i> article as it appears on the FindArticles web site at: www.findarticles.com , December 4, 2000.

25046653.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.